

Claims

1. A process for preparing an antimicrobial plastic body, said process comprising molding a precursor and being characterized in that prior to molding at least one component of the precursor is treated with a metal colloid.
2. The process as claimed in claim 1 wherein the precursor consists of one or several polymer materials.
3. The process as claimed in claim 2 wherein said precursor consists of polyurethane.
4. The process as claimed in any one of claims 1 to 3 wherein apart from polymeric materials further additives are added to the plastic precursor.
5. The process as claimed in claim 4 wherein said additives consist of inorganic particles.
6. The process as claimed in claim 5 wherein said inorganic particles comprise barium sulfate, calcium sulfate, strontium sulfate, titanium oxide, aluminium oxide, silicon oxide, zeolites, mica, talcum or kaolin.
7. The process as claimed in claim 6 wherein said inorganic particles comprise barium sulfate and/or fumed silica.
8. The process as claimed in any one of claims 1 to 7 wherein one or several of the components of the precursor are treated with said colloidal metal.
9. The process as claimed in any one of claims 4 to 7 wherein said plastic as well as said inorganic particles are treated with said colloidal metal.
10. The process as claimed in any one of claims 4 to 7 wherein said inorganic particles are treated with said metal colloid.

11. The process as claimed in any one of claims 1 to 10 wherein said metal colloid is colloidal silver.

12. The process as claimed in any one of claims 1 to 11 wherein said treated precursor is given its final shape by mixing, kneading, extruding, injection molding or (hot) press molding.

13. A plastic body obtainable according to any one of claims 1 to 12.

14. The plastic body as claimed in claim 13 wherein said colloidal silver has a particle size of from 10 to 50 nm.

15. The plastic body as claimed in claim 13 or 14 in the form of a catheter.